INDEX---VOL. XXXVIII.

TP700 .A5

A.

American Gas Light Association, Official Report, Tenth Annual Meeting of the, 4, 26.
Anthracite Coal Beds of Pennsylvania, Extent of the, 35.
Annual Joker, the, 36.
Annual Report of the Superintendent of Public Lamps, of Boston, Mass, 53
Alizarine from Gas Tar, the Manufacture of, 60.
And What will Happen Next, 104.
An Excellent Showing, 147.
A Visit to the Richmond (Ind.) Gas Works, 249.

B.

Behavior of the Nitrogen of Coal During Destructive Distillation, on the, 55.
Bituminized Bricks, 81.
Brockville, Canada, Gas Matters at, 133.
*Breckenridge Cannel, 172.
Bids for Public Lighting in the City of New York, 194.
Beacons and Buoys, Gas for Lighting, 197.
Beacon and Buoy Illumination, 222.

C.

Counteracting Sulphuric Acid, 36.
Cast Iron Gas Mains, 36.
Coke as Fuel on Railways, Employing, 57.
Coal Mining in Great Britain, Magnitude of, 60.
Cheap Gas in St. Louis, Mo., 201.
Cements for Iron, 223.
Central New York Gas Engineers' Association, Official Report, Fourth Annual Meeting of the, 277.
Crude Oil, Price of, 281.

CORRESPONDENCE—
Experience with Patent Processes at Norfolk, Va., 11.
Letter from Mr. Pratt, 11.
The Future of the Gas Business, 12.
Method of Constructing Furnaces, 36.
A New Kind of "Water Gas," 60.
Explosion at Gas Works, Lansing, Mich., 85.
A Practical Suggestion, 108.
Quick Work at Covington, Ky., 108.
Defects in Management of Small Works, 132
Poughkeepsie Street Lamps, 132.
A Pertinent Suggestion, 156.
Poughkeepsie Street Lamps—Chairman Cunley Corrects Mr. Allen, 156.
Mr. Pearson on Water Gas, 180
Suggesting Combination for Defence, 204.
Mr. Bostwick Defines the Position of the Standard Oil Company, 204.
Mr. Fullager Makes a Correction, 276.

D.

Differential Rates as Applied to the Sale of Gas, 58.
Difference of Opinion as to the Cost of Electric Lighting between Mr. Lane-Fox and *Engineering*, a, 81.
Davies Incandescent Gas Light, the, 82.
Dowson's Gas Producer, 105.
Dangerous Practical Jokes, 124.
*Detection of Gas Leakages, the, 199.

E.

Electric Lighting Companies in England, 3.
Equitable Gas Company of New York, the, 11.
English Gas Exhauster, an, 11.
English Sulphate of Ammonia Market, the, 51.
Electric Light in China, 57.
Electric Light Speculations, the, 103.
East River Bridge, the Lighting of the, 243.

EDITORIAL—
Volume XXXVIII., 1.
Residual Products, 26
Some Gas Schemes which will Bear Watching—Rumors of the Day, 49.
Steam Heating Companies and Gas Pipes, 50.
The Meeting of the Western Gas Association, 50.
Incandescent Lights in New York, 50.
Personal—Theobald Forstall, 50.
To our Patrons, 73.
Annual Meeting of the New England Association of Gas Engineers, 73, 97.
Gas Finance, 73.
Gas Enterprises, 75.
Digest of Gas Cases—Greenough, 98.
Carburetted Poison, 121.
No Charter Granted for Washington, D. C., 122.
The Ross Steam Stoking Machines, 122.
Gas Managers' Associations and their Responsibilities, 145.
Consolidation in Brooklyn, 146
Improved Lighting, 170.
The Summer's work, 193.
The Gas Manager's Handbook—Thos. Newbigging, 194
The Cincinnati Meeting of the Western Gas Association, 217.
The Comparative Value of Different Grades of Retorts, 217.
The Central New York Meeting, 218, 267
Death of Major G. Warren Dresser, 241.
The Cincinnati Meeting, 241.
Obituary Note—E. S. Cathels, 242.
Obituary—George Warren Dresser, 265.
Death of Mr. William H. Price, of Cleveland, Ohio, 266.
The Gas Institute, 267.

F.

Fireproof Architecture, 3.
Facts in Hydraulics, 146.

G.

Gas Consumer, Protecting the, 10.
Generator Furnaces of Munich Gas Works, 33.
General Management of Small Works, 32.
Gas Poisoning in New York, 34.
Gas vs. Electric Light in Down-Town Stores, 35.
Gaseous Fuel for Boilers, 201.
Gas Securities, the Market for, 204, 228, 252, 281.

H.

Hartford, Conn., Gas Matters in, 56.
Hartford, Conn., Street Lighting in, 201.
Hygienic Comparison between the Light of Electricity and that of Coal Gas, a—B. H. Thwaite, 220.
How Reducing the Price Affected the Sales of Gas in Jamaica Plain, Mass., 222.
How to Place Gas Pipes under Floors, 249.

I.

Is it Desirable for Gas Companies to Undertake the Manufacture of Sulphate of Ammonia, 33.
International Exhibition of Gas and Electrical Appliances at Crystal Palace, London, 52.
Illuminating Gas from Paraffine Oil, 55.
Items of Interest from various Localities, 59, 83, 105, 131, 154, 179, 201, 226, 259, 274.
Is it Economy to do so, 146.

L.

Loiseau Artificial Fuel, the, 35.
Lessening the Fire Risks of Electric Lighting, 223.

M.

Munich Generator Furnace, the, 3.
Main Reliance of the Gas Companies, the, 37.
Mr. Lane Fox and his Predictions, 51.
Map Showing Location of Youghiogheny River Coal Company's Ocean Mine Gas Coal, 99.
*Management of Small Gas Works, the,—C. J. R. Humphreys, 100, 123, 147, 178, 195, 219, 243, 267.
Majority and Minority Views of the Committee to whom was Referred the Application of the United States Gas and Fuel Company for Lighting the City of Washington, D. C., 128.
Macon (Ga.) Gas Light and Water Company's New Works, the, 130.
Magnitude of the Gas Interest, 133.
Mayor Carrington, of Richmond, Va., on the Gas Supply of that City, 198.
Mr. Helme Scores a Victory at Atlanta, Ga., 218.
Marseilles Meeting of the French Association, 253.

N.

Nomenclature of Part of the States, a Proposition to Alter, 85.
New England Association of Gas Engineers, Official Report, Thirteenth Annual Meeting of the, 101, 125, 148, 174, 196.
Nashua, N. H., Price of Gas Reduced in, 133.
Naphtha Fire, Another, 146.

O.

Ohio Coal Mining, 3.
Oregon Iron Works, New Shops and Foundry of the, 133.

OFFICIAL NOTICES—
New England Association of Gas Engineers, 25, 49, 73.
Western Gas Association, 25.
Notice of the Sixth Annual Meeting of the Western Gas Association, 121, 145, 169, 193.
Fifth Annual Meeting of the Central New York Gas Engineers' Association, 193, 217.

P.

Petroleum Outlook, the, 2, 51, 98, 171, 194, 242.
Progress in the Utilization of Waste, a Quarter of a Century's, 54.
Present Daily Production of Petroleum, 82.
Petroleum Oil in Russia, 178.
Purifying the Products of Gas Combustion, 181.
Products of Combustion from Gas, Oil, and Candles, the, 221.
*Purification, by ammonia, 274.

R.

Regulations Governing the Use of Electric Lighting Apparatus in Boston, Mass., 54.
Relative Economy of Solid and Gaseous Fuel, the, 105.

S.

Society of Gas Lighting, Seventh Annual Meeting of the, 1.
Safety Lamp, New, 10.
Some Legislation Affecting the Price of Street Lighting in Washington, D. C., 27.
Storage Batteries, Mr. Edison on, 75.
Standard Oil Company, the, 76.
Society of Gas Lighting, the, Gas Scrubbers—C. V. Smith, 98.
Steam Heating and Gas Companies, 100.
Street Lighting in Brooklyn, N. Y., 122.
Street Lighting in San Francisco, Cal., 146.
"Standard" Washer Scrubber, the, 154.
"Standard" Washer-Scrubber, the—Jos. R. Thomas, 171.
Sad but True, 181.

T.

Transmission of Power by Electricity, 36.
Twelve Months' Experience in the Distillation of Coal Tar, 199.

U.

Utilizing Anthracite Coal Dust, 56

V.

Victor Gas Engine, the, 80

W.

Water Gas, 34.
Waterproof Paper, 59.
What Pennsylvania Pays Her Miners, 198.
Western Gas Association, Official Report, Sixth Annual Meeting of the, 224, 244, 268.

INDEX---VOL. XXXVIII.

TP700 .A5

A.

American Gas Light Association, Official Report, Tenth Annual Meeting of the, 4, 26.
Anthracite Coal Beds of Pennsylvania, Extent of the, 35.
Annual Joker, the, 36.
Annual Report of the Superintendent of Public Lamps, of Boston, Mass, 53
Alizarine from Gas Tar, the Manufacture of, 60.
And What will Happen Next, 104.
An Excellent Showing, 147.
A Visit to the Richmond (Ind.) Gas Works, 249.

B.

Behavior of the Nitrogen of Coal During Destructive Distillation, on the, 55.
Bituminized Bricks, 81.
Brockville, Canada, Gas Matters at, 133.
*Breckenridge Cannel, 172.
Bids for Public Lighting in the City of New York, 194.
Beacons and Buoys, Gas for Lighting, 197.
Beacon and Buoy Illumination, 222.

C.

Counteracting Sulphuric Acid, 36.
Cast Iron Gas Mains, 36.
Coke as Fuel on Railways, Employing, 57.
Coal Mining in Great Britain, Magnitude of, 60.
Cheap Gas in St. Louis, Mo., 201.
Cements for Iron, 223.
Central New York Gas Engineers' Association, Official Report, Fourth Annual Meeting of the, 277.
Crude Oil, Price of, 281.

CORRESPONDENCE—
Experience with Patent Processes at Norfolk, Va., 11.
Letter from Mr. Pratt, 11.
The Future of the Gas Business, 12.
Method of Constructing Furnaces, 36.
A New Kind of "Water Gas," 60.
Explosion at Gas Works, Lansing, Mich., 85.
A Practical Suggestion, 108.
Quick Work at Covington, Ky., 108.
Defects in Management of Small Works, 132
Poughkeepsie Street Lamps, 132.
A Pertinent Suggestion, 156.
Poughkeepsie Street Lamps—Chairman Cunley Corrects Mr. Allen, 156.
Mr. Pearson on Water Gas, 180
Suggesting Combination for Defence, 204.
Mr. Bostwick Defines the Position of the Standard Oil Company, 204.
Mr. Fullager Makes a Correction, 276.

D.

Differential Rates as Applied to the Sale of Gas, 58.
Difference of Opinion as to the Cost of Electric Lighting between Mr. Lane-Fox and *Engineering*, a, 81.
Davies Incandescent Gas Light, the, 82.
Dowson's Gas Producer, 105.
Dangerous Practical Jokes, 124.
*Detection of Gas Leakages, the, 199.

E.

Electric Lighting Companies in England, 3.
Equitable Gas Company of New York, the, 11.
English Gas Exhauster, an, 11.
English Sulphate of Ammonia Market, the, 51.
Electric Light in China, 57.
Electric Light Speculations, the, 103.
East River Bridge, the Lighting of the, 243.

EDITORIAL—
Volume XXXVIII., 1.
Residual Products, 26
Some Gas Schemes which will Bear Watching—Rumors of the Day, 49.
Steam Heating Companies and Gas Pipes, 50.
The Meeting of the Western Gas Association, 50.
Incandescent Lights in New York, 50.
Personal—Theobald Forstall, 50.
To our Patrons, 73.
Annual Meeting of the New England Association of Gas Engineers, 73, 97.
Gas Finance, 73.
Gas Enterprises, 75.
Digest of Gas Cases—Greenough, 98.
Carburetted Poison, 121.
No Charter Granted for Washington, D. C., 122.
The Ross Steam Stoking Machines, 122.
Gas Managers' Associations and their Responsibilities, 145.
Consolidation in Brooklyn, 146
Improved Lighting, 170.
The Summer's work, 193.
The Gas Manager's Handbook—Thos. Newbigging, 194
The Cincinnati Meeting of the Western Gas Association, 217.
The Comparative Value of Different Grades of Retorts, 217.
The Central New York Meeting, 218, 267
Death of Major G. Warren Dresser, 241.
The Cincinnati Meeting, 241.
Obituary Note—E. S. Cathels, 242.
Obituary—George Warren Dresser, 265.
Death of Mr. William H. Price, of Cleveland, Ohio, 266.
The Gas Institute, 267.

F.

Fireproof Architecture, 3.
Facts in Hydraulics, 146.

G.

Gas Consumer, Protecting the, 10.
Generator Furnaces of Munich Gas Works, 33.
General Management of Small Works, 32.
Gas Poisoning in New York, 34.
Gas vs. Electric Light in Down-Town Stores, 35.
Gaseous Fuel for Boilers, 201.
Gas Securities, the Market for, 204, 228, 252, 281.

H.

Hartford, Conn., Gas Matters in, 56.
Hartford, Conn., Street Lighting in, 201.
Hygienic Comparison between the Light of Electricity and that of Coal Gas, a—B. H. Thwaite, 220.
How Reducing the Price Affected the Sales of Gas in Jamaica Plain, Mass., 222.
How to Place Gas Pipes under Floors, 249.

I.

Is it Desirable for Gas Companies to Undertake the Manufacture of Sulphate of Ammonia, 33.
International Exhibition of Gas and Electrical Appliances at Crystal Palace, London, 52.
Illuminating Gas from Paraffine Oil, 55.
Items of Interest from various Localities, 59, 83, 105, 131, 154, 179, 201, 226, 259, 274.
Is it Economy to do so, 146.

L.

Loiseau Artificial Fuel, the, 35.
Lessening the Fire Risks of Electric Lighting, 223.

M.

Munich Generator Furnace, the, 3.
Main Reliance of the Gas Companies, the, 37.
Mr. Lane Fox and his Predictions, 51.
Map Showing Location of Youghiogheny River Coal Company's Ocean Mine Gas Coal, 99.
*Management of Small Gas Works, the,—C. J. R. Humphreys, 100, 123, 147, 178, 195, 219, 243, 267.
Majority and Minority Views of the Committee to whom was Referred the Application of the United States Gas and Fuel Company for Lighting the City of Washington, D. C., 128.
Macon (Ga.) Gas Light and Water Company's New Works, the, 130.
Magnitude of the Gas Interest, 133.
Mayor Carrington, of Richmond, Va., on the Gas Supply of that City, 198.
Mr. Helme Scores a Victory at Atlanta, Ga., 218.
Marseilles Meeting of the French Association, 253.

N.

Nomenclature of Part of the States, a Proposition to Alter, 85.
New England Association of Gas Engineers, Official Report, Thirteenth Annual Meeting of the, 101, 125, 148, 174, 196.
Nashua, N. H., Price of Gas Reduced in, 133.
Naphtha Fire, Another, 146.

O.

Ohio Coal Mining, 3.
Oregon Iron Works, New Shops and Foundry of the, 133.

OFFICIAL NOTICES—
New England Association of Gas Engineers, 25, 49, 73.
Western Gas Association, 25.
Notice of the Sixth Annual Meeting of the Western Gas Association, 121, 145, 169, 193.
Fifth Annual Meeting of the Central New York Gas Engineers' Association, 193, 217.

P.

Petroleum Outlook, the, 2, 51, 98, 171, 194, 242.
Progress in the Utilization of Waste, a Quarter of a Century's, 54.
Present Daily Production of Petroleum, 82.
Petroleum Oil in Russia, 178.
Purifying the Products of Gas Combustion, 181.
Products of Combustion from Gas, Oil, and Candles, the, 221.
*Purification, by ammonia, 274.

R.

Regulations Governing the Use of Electric Lighting Apparatus in Boston, Mass., 54.
Relative Economy of Solid and Gaseous Fuel, the, 105.

S.

Society of Gas Lighting, Seventh Annual Meeting of the, 1.
Safety Lamp, New, 10.
Some Legislation Affecting the Price of Street Lighting in Washington, D. C., 27.
Storage Batteries, Mr. Edison on, 75.
Standard Oil Company, the, 76.
Society of Gas Lighting, the, Gas Scrubbers—C. V. Smith, 98.
Steam Heating and Gas Companies, 100.
Street Lighting in Brooklyn, N. Y., 122.
Street Lighting in San Francisco, Cal., 146.
"Standard" Washer Scrubber, the, 154.
"Standard" Washer-Scrubber, the—Jos. R. Thomas, 171.
Sad but True, 181.

T.

Transmission of Power by Electricity, 36.
Twelve Months' Experience in the Distillation of Coal Tar, 199.

U.

Utilizing Anthracite Coal Dust, 56

V.

Victor Gas Engine, the, 80

W.

Water Gas, 34.
Waterproof Paper, 59.
What Pennsylvania Pays Her Miners, 198.
Western Gas Association, Official Report, Sixth Annual Meeting of the, 224, 244, 268.